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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/989,659	11/21/2001	Hideto Watanabe	Q67338	1811

7590 09/30/2003
SUGHRUE, MION, ZINN, MACPEAK & SEAS
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Washington, DC 20037-3202

EXAMINER

KALAFUT, STEPHEN J

ART UNIT	PAPER NUMBER
	1745

DATE MAILED: 09/30/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Offic Action Summary	Application No.	Applicant(s)
	09/989,659	WATANABE ET AL.
	Examiner Stephen J. Kalafut	Art Unit 1745

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on _____.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-16 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-16 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

Pri rity under 35 U.S.C. §§ 119 and 120

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ .
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .	6) <input type="checkbox"/> Other: _____ .

Art Unit: 1745

Claims 1-16 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claims 1 and 3 are unclear as to what item is being described by the phrase "is respectively provided with a plurality of anode active material unformed parts". Immediately before this phrase is "a plurality of collecting tabs", but the presently disclosed tabs have no active material deposited thereon, and thus cannot have "active material unformed parts" (between parts with active material). The claims likewise recite "cathode active material unformed parts". Claims 9 and 11 include similar language. Claims 5 and 7 recite that the tabs are connected to the "anode active material forming parts", but the disclosure only shows these tabs connected to the "active material unformed parts" of either electrode. Claims 5, 7, 13 and 15 each recite a "band-shaped electrode", but this term is contrary the terminology normally used in the art. This part, onto which active material is deposited, may be called a "substrate" or a "current collector", but the term "electrode" is used to denote the overall anode or cathode. In other words, the "anode" and the "cathode" are each a type of an "electrode". The method claims 9 and 11 are in passive voice and thus do not recite any positive process steps. Claims 13 and 15 are in proper form with respect to this matter, because they use active participles, such as "forming", "connecting", "rolling", etc. Claims 2, 4, 6, 8, 10, 12, 14 and 16 depend from claims 1, 3, 5, 7, 9, 11, 13 and 15, and would likewise be indefinite.

The disclosure is objected to because of the following informalities: The term "electrode", used to denote a substrate or current collector, is also used in the specification. Appropriate correction is required.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hisai (US 2002/0061435), Okochi *et al.* (US 2002/0090545), Watanabe *et al.* (US 6,114,059), Kitoh *et al.* (US 6,379,840) and Gozdz *et al.* (US 6,482,540) disclose spirally wound electrode bodies for batteries, which include collector tabs.

Claims 1-16 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action. The prior art cited above does not disclose spirally wound electrode bodies with anodes having regions with and without active material, according to the mathematical expressions recited in these claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen J. Kalafut whose telephone number is 703-308-0433. The examiner can normally be reached on Mon-Fri 8:00 am-4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick J. Ryan can be reached on 703-308-2383. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

sjk



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